**COUNCIL ON CURRICULAR PROGRAMS AND INSTRUCTION**

**Thursday, 7 February 2019**

**Horrabin Hall 1 – 3:30 p.m.**

**M I N U T E S**

**MEMBERS PRESENT:** E. Go, A. Hardeman, L. Hemphill, B. Intrieri, D. Levchenko (SGA), J. Lin, T. Lough, E. Shupe, S. Szyjka, T. Walters

**EX-OFFICIO:** D. Williams

**MEMBERS ABSENT:** E. Mannion

**EX-OFFICIO MEMBERS ABSENT:** M. Mossman

**GUESTS:** Victoria Baramidze, Kyle Mayborn, Linda Prosise, Sam Thompson

I. Consideration of Minutes

* 1. 7 February 2019

**MINUTES APPROVED AS CORRECTED**

II. Announcements – None

III. Old Business – None

IV. New Business

A. Curricular Requests from the Department of Mathematics and Philosophy

1. Request for New Course

 a. MATH 310, Euclidean and Non-Euclidean Geometries, 4 s.h.

 **Motion:** To approve MATH 310 (Walters/Shupe)

Dr. Shupe asked about the abbreviated title, GEOMETRY. Mathematics and Philosophy Chair Victoria Baramidze explained that the department wanted an abbreviated title that implies that both types of geometry are included, although the course will mainly concentrate on Euclidean geometry because that is what is taught in high schools. She added that non-Euclidean geometry will be included as well but not taught in as much depth. Dr. Baramidze stated that this will probably be the only geometry course taught in the department, so there is no need to further distinguish the abbreviated title.

Dr. Intrieri asked what the difference would be between “demonstrating an understanding” and “demonstrating a rigorous understanding” in the first course objective: “Demonstrate a rigorous understanding of axiomatic, college-level Euclidean geometry.” Dr. Baramidze replied that this is specifically related to the term “axiomatic”; if it was not rigorous, the course might talk about ten axioms, but if rigorous, students would apply them to different theorems. She added that students would “demonstrate a rigorous understanding” because they would be completing assignments to prove things related to this field. Dr. Baramidze stated that she has no objection to removing “rigorous” from this course objective.

Chairperson Hardeman observed that two courses are being combined in terms of content to create MATH 310, and that MATH 211, Euclidean Geometry, is being deleted. She asked if this course will be deleted entirely from the master file; Dr. Baramidze confirmed this is correct. Chairperson Hardeman asked what will happen with MATH 411, Geometry. Dr. Baramidze replied the department has plans to redesign and revise MATH 411 to make it more of a graduate level course, but the final proposal is not yet completed. Chairperson Hardeman asked whether students could register and get credit for both MATH 310 and 411; Dr. Baramidze replied that they could not. Chairperson Hardeman asked if that would also apply to MATH 310 and 211. Dr. Baramidze replied that some students have taken MATH 211 and need a portion of MATH 411, which may be offered as an independent study to fill the gap and allow students to complete that sequence. She added that 211 will be deleted because 310 completely includes the material from 211 and some from 411. CCPI specified that the course description state that the course is not open to students with credit in MATH 211 or 411.

Dr. Szyjka observed that in the table comparing WIU’s math content requirement for the Teacher Education option to those at other institutions, it looks like WIU is the most rigorous of all of them. Dr. Baramidze admitted this is true, adding that WIU’s program is nationally recognized so they have a strong program. She said the department has recognized, however, that their students are doing a little too much, so they want to make the curriculum just a little bit easier for them.

 **Changes:**

* Remove “rigorous” from the first course objective, “Demonstrate a rigorous understanding of axiomatic, college-level Euclidean geometry.”
* Indicate in the course description that MATH 310 is not open to students with credit in MATH 211 or 411.
* In the table at the bottom of p. 2, in the WIU row, clarify that the list of courses includes “13 **courses** + 1 WID **course.**”
* Correct reference to “rows 1-5” to “rows 1-4.”

 **MOTION APPROVED WITH CHANGES 10 YES – 0 NO – 0 AB**

 2. Requests for Changes of Options

 a. Option A: Mathematics

 **Motion:** To approve Option A (Hemphill/Intrieri)

Chairperson Hardeman asked how the new category of Focus Area Courses is supposed to help students. The request form describes Focus Area Courses as three additional approved courses in a single focus area, including one 400-level course and another upper division course, which are not to be a part of the minor courses when the focus and minor areas happen to be the same. Chairperson Hardeman understands that some focus areas would be really useful for the student but wants to know how the department envisions them working. Dr. Baramidze explained the original idea was to revise Option C to be more science-oriented; it used to be very flexible, but the department is removing some of the flexibility to concentrate more on data science. She said the department wished to still offer that flexibility to students, however, in Option A, which would be restricted to pure mathematics and would be of interest to students going into graduate school. She explained the Focus Area Courses category was added to allow students to do applied math or statistics, or coursework in natural science or economics, thinking that students may want to continue their education in graduate school but not necessarily be restricted to just mathematics.

Chairperson Hardeman pointed out that the examples for the Physics focus area on page 3 include reference to a “related minor – Physics with PHYS 211 and 212.” She asked if the department intends, in this example, for students to take three PHYS focus courses (PHYS 213, 311, 420) and combine them with the two additional PHYS courses to complete a Physics minor. Kyle Mayborn, who assists with curriculum in the College of Arts and Sciences, explained that if a student wanted to minor in Physics and chose Chemistry for a focus area, for example, they could also do that. Dr. Lin pointed out that while specific courses are listed for the Physics, Chemistry, and Biology examples, the Economics example only lists three courses; she would recommend adding the rest of the courses (ECON 231, 232, and 351) because students could easily turn this into a “related minor” as well. Dr. Baramidze replied that this was an oversight, and she will add in the remaining ECON courses.

Dr. Baramidze stated that of the three examples listed on page 3 (General Mathematics focus, Applied Mathematics and Statistics focus, and Natural Sciences or Economics focus), the first two are definitely part of the major. It is pointed out in the request form that the third example encourages double majoring.

Ms. Williams asked if the focus course hours should be considered part of the major GPA. CCPI discussed different options and ramifications regarding this topic at length with Drs. Baramidze and Mayborn.

**Changes:**

* In the proposed category within section 3. Option Courses, change Other to Directed Electives.
* Add the titles and semester hours for CS 114 and 214.
* Add the heading of Focus Area Courses (Other), and make it new #4.
* Specify in the description of focus areas that if double majoring **in one of the focus areas**, focus courses may be satisfied by the second major.
* Remove “which are not to be a part of the minor courses when the focus and minor areas happen to be the same” from the focus areas description.
* Change Open Electives to 1-6 s.h.
* Change total proposed hours to 120.
* Change hours that may count toward both Gen Ed and another category to 0 in the proposed column.
* Add ECON 231, 232, and 351 to the Economics example section on p. 3.
* In Summary of Changes #2, change “other requirements” to “directed electives.”
* In Summary of Changes, change #3 to read, “Change the ~~directed electives~~ focus area courses to **Other**.”

**MOTION APPROVED WITH CHANGES 10 YES – 0 NO – 0 AB**

**[Note:** Following the meeting, the Department of Mathematics and Philosophy decided to make additional changes to Option A to address the concerns raised at the meeting and bring it back through CCPI again on March 7.]

 b. Option B: Mathematics – Teacher Education

 **Motion:** To approve Option B (Shupe/Intrieri)

Chairperson Hardeman observed that the changes seem to be removing MATH 280, Topics in Computer-Assisted Mathematics, which will be deleted, as well as MATH 211and 411, which will be replaced by new course MATH 310. Dr. Mayborn explained that the department had attempted to transition to a technology element with MATH 280, but it was not successful. He added that the College of Arts and Science’s Math Education Committee believes that students are exposed to technology enough in education or math content courses and that this is sufficient to satisfy the state requirements, so there is no need to have a separate programming course.

Dr. Szyjka asked if it is necessary to list out all of the Other courses and observed that the courses within the 12 s.h. of Student Teaching are not listed out. Ms. Prosise pointed out that there are several places in the catalog that just list Student Teaching without specifically listing courses because this is advisor driven. Chairperson Hardeman added that Option B was listed this way previously in the catalog as well. Regarding the list of Other courses, Ms. Williams noted that Arts and Sciences has a lot of programs that require a sequence outside of their majors.

Dr. Intrieri asked if the Rationale for Change indicates that the current configuration for the option is not aligned. Dr. Baramidze explained that the little bit of extra that WIU does in non-Euclidean geometry and the extra courses in Computer Sciences are not needed for this option. She related the Math Education Committee went through what is already being offered and what is expected and figured out that WIU’s program is better aligned and positioned as a program because other schools do not require two Geometry courses. Dr. Intrieri observed it seems that WIU’s program has been over-aligned rather than better aligned because it has been requiring more than other institutions. Chairperson Hardeman stated that when a program is reducing something, there is a delicate balance between what is better for the students versus whether the program is being dumbed down, but this change makes sense without saying that WIU students are not working hard enough. Dr. Baramidze agreed that WIU’s program is very strong, but the department thinks that they could afford to help their students just a little bit more.

 **Changes:**

* Remove sentence in Rationale for Change stating that “Students in Option B have a very demanding load as they try to complete hours in mathematics content and hours needed for a teaching license.”
* In the table at the bottom of p. 2, in the WIU row, clarify that the list of courses includes “13 **courses** + 1 WID **course.**”
* Correct reference to “rows 1-5” to “rows 1-4.”

 **MOTION APPROVED WITH CHANGES 9 YES – 0 NO – 0 AB**

 c. Option C: Computational and Data-Enabled Mathematics and Statistics

 **Motion:** To approve Option C (Walters/Hemphill)

Chairperson Hardeman asked if the Algorithms and Data Management Minor is the only minor that students can take. Dr. Baramidze replied that would be the department’s preference because the data science is quite heavy in programs across the state; a lot of things have to come together to produce a degree in this field, and it relies heavily on the computer science component. She added the department thinks having the minor listed on the student’s diploma with the specific title is a plus because it emphasizes the computer science component of the program. She stated that if it is not possible to stipulate a specific minor, the same courses would be required. Chairperson Hardeman asked if there is a program on campus that restricts students to only one specific minor. She articulated her concern that the change turns this into a hidden comprehensive major, and she has serious concerns that this type of thing will have difficulty passing Faculty Senate because they have been historically very much in favor of allowing students the option of going off in their own direction rather than restricting minors. Ms. Prosise pointed out that the minor is actually in Computer Sciences, and Ms. Williams asked why it would be considered siloing if the minor is in a different department and college. Ms. Williams pointed out that students in the Biology-Medical Sciences option must minor in Chemistry or Psychology. Ms. Prosise suggested adding a second minor choice, such as Business Analytics. Dr. Baramidze explained that if a second minor choice were offered in Business Analytics, the computer science component would have to be edited into somewhere else. Dr. Lin stated that while her department supports this option change, she is afraid of the precedent it sets for other departments on campus who may only want their students to take one specific minor. She stated the department could encourage their students to take the Algorithms and Data Management Minor while still offering one or two more choices. Chairperson Hardeman observed that it appears that a reworking of Option C is needed.

**Motion:** To table Option C (Intrieri/Lin)

**MOTION TO TABLE APPROVED 9 YES – 0 NO – 0 AB**

* 1. Curricular Requests from the Department of Earth, Atmospheric, and Geographic Information Sciences

1. Requests for Changes in Prerequisites

a. GIS 309, GIS Data Integration, 3 s.h.

**Current:** GIS 201 or permission of instructor

**Proposed:** GIS 202 or consent of instructor

**Motion:** To approve GIS 309 change (Walters/Intrieri)

Ms. Prosise observed that currently there are nine courses in the department that say “permission of instructor” and two that say “consent of instructor.” She has talked to the department chair who wishes for them all to say “consent.”

**MOTION APPROVED 10 YES – 0 NO – 0 AB**

b. GIS 405, Advanced GIS Analysis, 3 s.h.

**Current:** GIS 201 or 202 or equivalent

**Proposed:** GIS 309 or consent of instructor

**Motion:** To approve GIS 405 change (Walters/Intrieri)

**MOTION APPROVED 10 YES – 0 NO – 0 AB**

2. Request for Change of Major

 a. Geography and Geographic Information Science

**Motion:** To approve change of major (Intrieri/Hardeman)

**Changes:**

* Line up 10 s.h. with the Open Electives line, and change proposed Open Electives to 3 s.h.
* Correct reference to “rows 1-5” to “rows 1-4.”
* Correct “insufficiency” to “insufficient” in Rationale for Change.
* Remove “or” between GIS 407 and 408 in both columns.

**MOTION APPROVED 10 YES – 0 NO – 0 AB**

V. Provost’s Report – None

**Motion:** To adjourn (Intrieri)

The Council adjourned at 4:36 p.m.

 Eun Go, Secretary

 Annette Hamm, Faculty Senate Office Manager and Recording Secretary